IX. *Extract of a Letter from Dr.* Joſephus Laurentius Bruni, *of* Turin, *F. R. S. to Mr.* Henry Baker, *F.R.S. concerning the* Bologna Bottles.

Dated at Turin, Nov. $\frac{22}{11}$ 1744.

Dear Friend,

Read Jan. 31. 1744-5. THE Seed of the *Gramen tremulum**, which you favoured me with, has amazed all here who have ſeen it. The curious People in this Country talk much of a Phænomenon, which is called of the *Bologna* Bottle, becauſe it was firſt diſcover'd at *Bologna*. If you let theſe Bottles fall perpendicularly from ſome Height upon a Brick-Floor, they will not be broken; but if you drop into them ſome little hard Bodies, they will burſt in Pieces. I will give you an Account of what I try'd myſelf about them.

I took one of theſe glaſs Bottles, whoſe Form reſembles a *Florence* Flask, and whoſe Capacity is about three Quarters of a Pint, and let it fall down from the Height of five Feet and half upon a Floor of Brick, and it was not broken: I then let fall down into it, from the Mouth to the Bottom internally, a Piece of Flint-Stone, weighing 11 Grains; and immediately the Bottle burſt into many Pieces.

I took one of thoſe Pieces, weighing a Dram, and let it fall in the ſame manner into another Bottle, which I moved circularly for a Minute; and then putting

* *See theſe* Tranſactions, N°. 457.

putting it upon a Table, in about a Quarter of an Hour it broke in Pieces.

Into a third Bottle I dropped a Piece of Whetſtone, weighing 40 Grains; and in ſome few Minutes the Bottle was broken.

I filled another Bottle half-full of Water, and let fall into it a ſmall Piece of Flint ſtone; and after four Hours it burſt.

I let fall into three other Bottles a Piece of Wood weighing 50 Grains, a Piece of Braſs weighing 300 Grains, and a Ball of Lead weighing 140 Grains; and neither of them was broken.

Theſe Bottles are thicker at the Bottom than the Neck. The Glaſs-Maker blows them, and lets them cool, without putting them again into the Oven. And, from the Experiments, I take notice, that what is capable of breaking them ought to have ſome Roughneſs: And I am told that a Grain of River-Sand will break them.

The firſt Opportunity I ſhall ſend you two or more of theſe Bottles; and am, *&c.*

X. *A Letter from Mr.* Tho. Wright *to* James Theobald, *Eſq*; *F. R. S. concerning Two* ancient Camps *in* Hampſhire.

Read Feb. 7. 1744-5.

LAST Summer, during my Stay in the Weſt of *England*, common Report, and my own natural Curioſity, led me to a Place in *Hampſhire* called *Buckland Caſtle*, or, more vulgarly, the *Rings*; where I found two neighbouring